

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630855

Luminaire Tested: GWS-SA1E-740-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-740-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

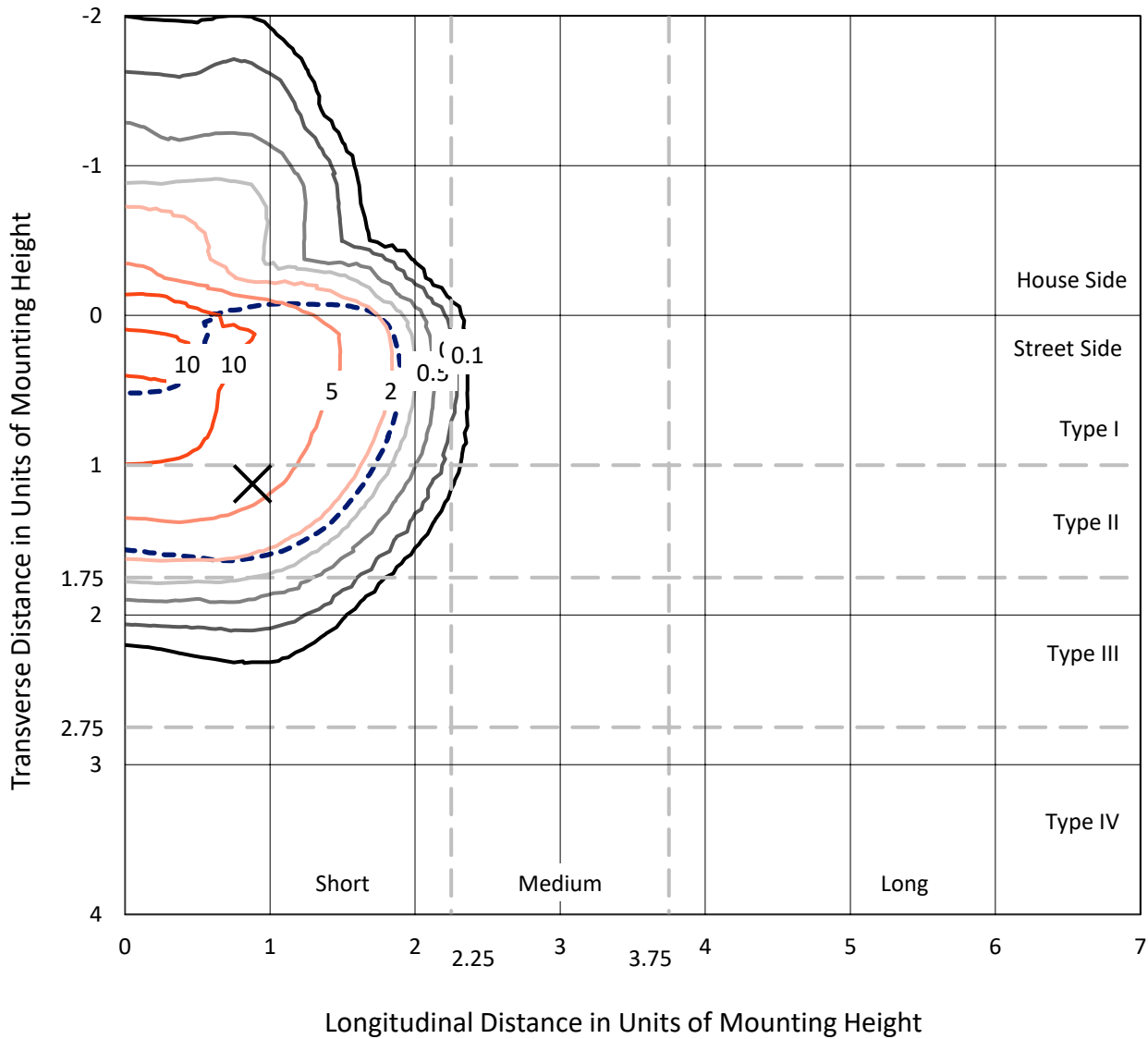
Lumens per Lamp: N/A  
Luminaire Lumens: 4752.6 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

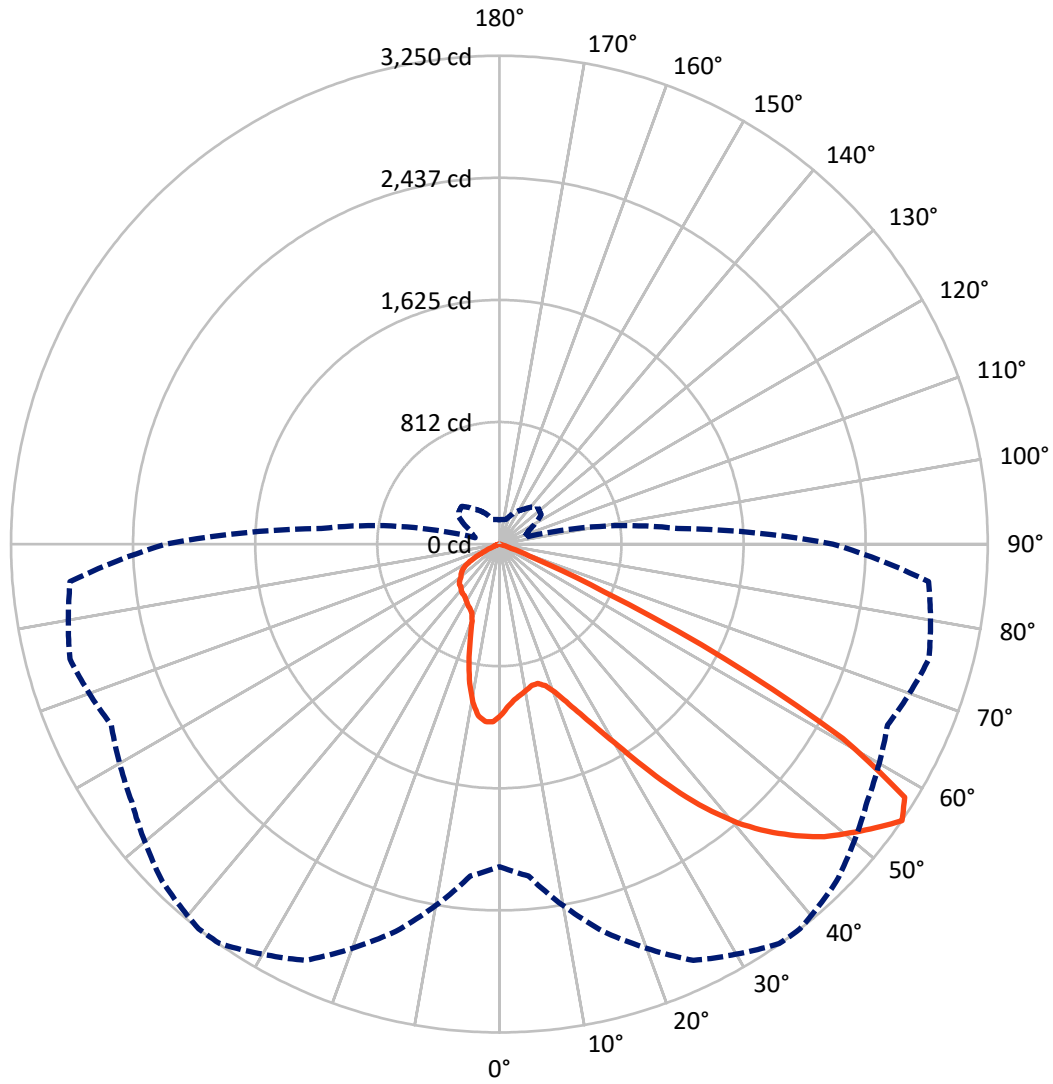
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	925.9	0.0	925.9
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	3826.6	0.0	3826.6
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	4752.6	0.0	4752.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.4	2.2
10°-20°	283.7	6.0
20°-30°	486.8	10.2
30°-40°	807.5	17.0
40°-50°	1187.0	25.0
50°-60°	1387.1	29.2
60°-70°	470.2	9.9
70°-80°	24.0	0.5
80°-90°	0.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4752.6	100.0
0°-180°	4752.6	100.0

**Coefficient of Utilization**



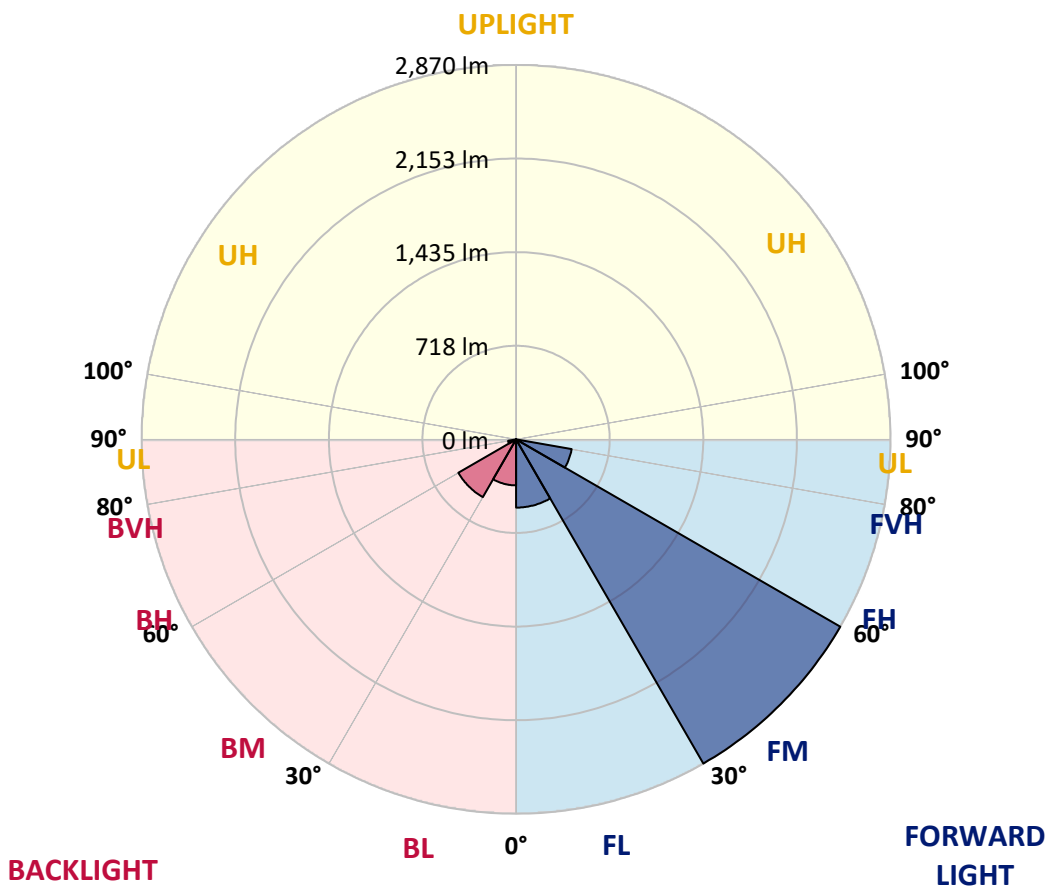
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	523.1	11.0			
FM (30°-60°)	2870.4	60.4			
FH (60°-80°)	432.6	9.1			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	352.8	7.4	B1/500		
BM (30°-60°)	511.1	10.8	B1/1000		
BH (60°-80°)	61.6	1.3	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1061.5	1059.3	1063.7	1072.3	1080.5	1083.2	1091.4	1102.8	1109.8	1126.7	1140.3
5°	1013.7	1012.6	1016.9	1024.5	1035.4	1039.2	1051.7	1070.7	1089.7	1119.1	1147.9
7.5°	970.2	969.7	976.2	993.0	1008.8	1013.7	1028.9	1052.2	1077.8	1122.9	1165.2
10°	913.2	913.7	926.2	950.1	978.9	988.7	1013.1	1046.8	1080.0	1138.1	1196.7
12.5°	894.7	895.8	902.3	920.8	952.3	964.8	999.0	1050.1	1092.4	1159.8	1237.5
15°	939.8	939.8	934.4	936.5	950.7	962.1	997.9	1060.9	1113.6	1185.9	1277.7
17.5°	1027.3	1024.0	1010.4	991.9	987.1	990.9	1019.7	1084.3	1143.5	1216.3	1323.3
20°	1145.7	1146.8	1120.2	1081.6	1050.6	1050.1	1067.5	1125.6	1186.4	1252.7	1372.8
22.5°	1289.1	1284.8	1249.4	1196.7	1143.0	1138.6	1145.7	1188.6	1248.4	1310.3	1433.6
25°	1455.3	1453.2	1403.2	1332.6	1261.4	1251.1	1251.1	1293.4	1336.9	1392.3	1506.4
27.5°	1629.2	1629.2	1580.8	1499.3	1404.8	1386.3	1383.6	1433.6	1462.4	1473.3	1567.8
30°	1807.9	1805.7	1757.9	1674.3	1573.2	1554.2	1546.6	1583.5	1604.2	1571.6	1644.4
32.5°	1989.3	1993.1	1944.8	1867.1	1776.9	1764.4	1741.1	1741.1	1757.9	1712.3	1765.0
35°	2184.4	2183.3	2145.2	2092.5	2015.4	2001.3	1962.7	1902.4	1927.9	1907.8	1931.7
37.5°	2356.6	2364.7	2346.2	2307.1	2244.7	2230.5	2167.0	2057.8	2077.3	2108.8	2130.0
40°	2531.5	2538.0	2556.5	2544.0	2465.2	2439.1	2326.1	2146.9	2168.6	2276.7	2337.5
42.5°	2703.1	2706.4	2743.9	2764.5	2659.1	2613.5	2446.7	2201.2	2224.0	2408.2	2514.6
45°	2812.3	2819.4	2881.3	2944.3	2830.3	2767.8	2551.6	2270.7	2280.5	2499.4	2645.6
47.5°	2808.0	2824.3	2940.5	3055.2	2977.5	2910.1	2677.6	2382.1	2365.8	2585.3	2731.9
50°	2720.5	2740.1	2906.9	3088.8	3083.4	3020.9	2817.8	2543.4	2492.4	2661.3	2742.8
52.5°	2539.1	2595.6	2847.6	3093.2	3168.7	3137.2	2991.1	2760.7	2663.5	2770.5	2760.2
55°	2146.9	2216.4	2667.8	3056.2	3245.8	3249.6	3173.0	2987.3	2849.3	2958.5	2867.2
57.5°	1629.7	1685.1	2053.4	2720.5	3118.2	3180.6	3243.7	3106.8	2963.9	3086.7	2892.2
60°	982.2	1046.3	1285.8	1996.4	2518.4	2624.9	2872.1	2845.5	2673.3	2726.0	2371.8
62.5°	398.2	431.9	593.8	1100.1	1585.2	1684.6	1921.4	1961.6	1919.3	1865.5	1438.5
65°	145.6	159.2	237.9	454.7	729.0	765.4	890.4	961.5	1020.2	868.6	535.1
67.5°	90.2	98.9	154.8	233.6	265.1	246.6	251.0	299.3	285.7	176.6	95.6
70°	66.8	73.9	121.1	161.9	107.0	82.6	56.0	59.8	53.8	47.3	46.7
72.5°	46.2	52.7	90.7	95.6	41.3	29.3	20.6	28.8	32.6	32.1	33.1
75°	30.4	35.3	57.0	37.5	10.3	8.1	7.1	15.2	19.6	19.6	20.1
77.5°	17.9	20.6	20.1	7.6	2.2	2.2	1.6	2.7	4.3	4.9	6.0
80°	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6
82.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
85°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6	1.6
87.5°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1150.6	1146.8	1162.5	1173.9	1183.2	1187.5	1181.5	1181.0	1181.0	1169.0	1165.8
5°	1164.2	1165.8	1188.1	1197.8	1199.5	1194.0	1180.5	1171.2	1165.8	1153.3	1146.2
7.5°	1190.2	1195.7	1216.8	1215.2	1200.6	1175.6	1139.7	1112.0	1094.1	1074.5	1062.6
10°	1227.7	1238.0	1251.1	1228.3	1181.5	1118.0	1044.1	991.4	959.9	937.6	924.0
12.5°	1273.3	1283.7	1279.3	1225.5	1128.3	1014.8	919.7	843.6	807.2	787.1	773.0
15°	1319.5	1326.0	1297.8	1192.9	1034.3	881.7	775.7	700.2	655.7	639.4	627.4
17.5°	1366.8	1365.2	1301.1	1128.8	908.8	731.7	627.4	575.8	563.3	560.6	559.5
20°	1416.2	1401.5	1288.0	1037.0	757.8	583.4	524.2	527.5	550.3	561.2	563.3
22.5°	1472.7	1435.8	1255.4	912.6	603.5	486.2	492.2	524.2	555.2	569.9	572.0
25°	1533.0	1467.3	1201.1	752.9	475.9	447.1	482.4	519.3	552.5	570.4	572.6
27.5°	1572.7	1474.9	1112.0	592.1	408.5	431.9	469.4	504.7	538.9	558.4	561.2
30°	1615.6	1471.6	990.9	456.3	385.7	418.8	451.4	483.5	515.0	536.7	538.9
32.5°	1678.6	1469.5	843.1	370.5	376.5	408.5	432.4	459.0	480.8	493.3	491.6
35°	1761.2	1466.7	670.9	334.1	371.0	400.4	419.4	431.9	408.0	400.4	402.0
37.5°	1867.1	1473.3	525.9	318.9	369.4	398.2	414.5	378.6	341.7	327.6	325.4
40°	1984.4	1490.1	400.9	312.9	374.8	403.6	396.0	336.8	291.2	263.5	257.5
42.5°	2102.3	1508.6	317.3	310.7	384.1	418.8	365.6	306.4	237.9	222.2	220.0
45°	2189.8	1505.3	274.3	306.9	392.2	427.5	357.4	262.9	212.4	205.3	205.9
47.5°	2233.8	1469.5	251.0	298.2	395.5	418.8	337.3	245.0	195.0	202.6	209.1
50°	2210.4	1376.6	229.2	281.4	388.4	407.4	305.3	231.4	186.3	217.8	232.5
52.5°	2182.2	1262.5	205.3	255.3	371.6	391.7	292.8	227.6	180.9	210.2	221.1
55°	2219.7	1190.2	166.2	215.1	338.4	354.7	283.0	227.1	168.4	163.5	161.9
57.5°	2167.0	1046.3	119.0	154.8	259.7	280.9	276.0	223.3	149.4	148.8	151.0
60°	1674.8	638.3	81.5	98.3	159.2	179.3	250.4	213.5	128.7	118.4	119.0
62.5°	951.8	271.6	56.0	60.8	81.5	96.7	191.2	193.9	119.0	113.0	119.0
65°	331.4	97.2	43.5	40.7	45.1	51.6	109.7	149.9	108.1	97.8	98.9
67.5°	68.4	48.3	38.6	33.7	33.7	33.7	56.0	93.4	89.1	77.7	78.8
70°	43.5	41.3	33.7	28.8	27.7	25.5	32.1	51.6	61.4	56.5	57.0
72.5°	32.1	31.5	26.6	23.4	20.6	18.5	20.1	25.5	31.5	32.6	33.1
75°	19.6	20.1	17.4	14.7	13.0	11.4	12.0	12.0	12.0	10.9	12.0
77.5°	6.0	6.5	5.4	4.3	3.8	3.8	3.8	3.3	2.7	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)